REMARKS

Favorable reconsideration of this application, in light of the following discussion and in view of the present amendment, is respectfully requested.

Claims 1, 9 and 17 are amended. Claims 1-23 are pending in the application.

I. Rejection under 35 U.S.C. § 102

In the Office Action, at page 2, numbered paragraph 1, claims 1-3, 5, 7, 9-11, 13, 15 and 17-23 were rejected under 35 U.S.C. § 102(b) as being unpatentable over U.S. Patent No. 6,181,670 to Nagasato et al. This rejection is respectfully traversed because Nagasato does not discuss or suggest:

first and second coil members installed on the base, separated from each other; and

a magnet member installed on the blade between the first and second coil members.

wherein the first coil member, the second coil member and the magnet member are all installed opposite to the objective lens,

as recited in amended independent claims 1 and 9.

Further, Nagasato does not discuss or suggest:

moving a blade, including a lens, in tracking and/or focusing directions; and

driving a coil system, separated from the blade, such that an interaction with a single magnet on the blade controls the moving of the blade in the tracking and/or focusing directions,

as recited in amended independent claim 17.

As a non-limiting example, the present invention of claim 1, for example, is directed to an optical pickup actuator including first and second coil members separated from each other by a magnet member installed on a blade between the first and second coil members. The first coil member, the second coil member and the magnet member are all installed on one side of the objective lens opposite to the objective lens, thus allowing the interaction of the first and second coil members with the single magnet member to control the moving of the blade, including the lens, in tracking and/or focusing directions.

Nagasato discusses an objective lens mounting apparatus and driving device that corrects the tilt of an objective lens relative to a surface of an optical disk. The device includes a lens holder 2 having an objective lens 1 disposed in the middle of the lens holder 2, support

members 122, 124 attached to a support block 6 and attached to the lens holder 2, and magnets 116, 118 integrally affixed to the blade 2. The device further includes two coil assemblies 112, 114, each having a focusing coil, a tracking coil, a radial tilt coil, a tangential tilt coil and a magnetic block 136, 138. A magnetic resilience, namely, magnetic attraction, works between the magnetic block 136 and the magnet 116. The magnetic resilience 140 works against the movement of the magnet 116 along the beam axis 102a relative to the magnetic block 136 and tries to hold the movable unit 30 at a predetermined neutral position, so that the lens holder 2 can be restrained from tilting relative to the beam axis 102a and can be stably held in its normal position.

While Nagasato discusses and shows multiple magnets 116, 118 are attached to the lens holder 2 in order to provide magnetic attraction to the magnetic blocks 136, 138, respectively, Nagasato does not discuss or suggest that the coil assemblies 112, 114 and the magnets 116, 118 are all disposed opposite to the objective lens 1. The coil assemblies 112, 114 are each disposed on one side of the lens holder 2 opposite each other, with the lens holder 2 holding the objective lens 1, disposed in between the coil assemblies 112, 114. The multiple magnets 116, 118 are each integrally attached to the lens holder 2 at opposite sides of the lens holder 2 in order for each magnet 116, 118 to respectively provide magnetic attraction to the magnetic blocks 136, 138 of the coil assemblies 112, 114. Thus, as Nagasato requires two magnets 116, 118 to each be disposed on one side of the lens holder 2 to provide magnetic attraction to the magnetic blocks 116, 118 of the coil assemblies 112, 114, which are each provided on opposite sides of the lens holder 2 to maintain the stability of the lens holder 2, Nagasato does not discuss or suggest that each of the coil assemblies 112, 114 and the magnets 116, 118 are all disposed on the same side of the objective lens 1.

The coil assemblies 112, 114 may be situated on base block 8, with magnets 116, 118 attached to the lens holder 2 in between the coil assemblies 112, 114 with the lens holder 2 between the coil assemblies 112, 114, but Nagasato does not suggest that the coil assemblies 112, 114 and the magnets 116, 118 are all disposed opposite to the objective lens 1 that is attached to the lens holder. The magnets 116, 118 are disposed on opposite sides of the objective lens 1 with respect to one another and the coil assemblies 112, 114 are disposed on opposite sides of the objective lens with respect to one another, but all of the coil assemblies 112, 114, and the magnets 116, 118 and are not disposed opposite to the objective lens 1 in Nagasato.

Further, Nagasato includes multiple magnets 116, 118 that provide magnetic attraction to the coil assemblies 112, 114. Nagasato does not suggest driving a coil system, separated from a blade, such that an interaction with a single magnet on the blade controls the moving of the blade in the tracking and/or focusing directions, as recited in amended independent claim 17, for example.

Therefore, as Nagasato does not discuss or suggest that "the first coil member, the second coil member and the magnet member are all installed opposite to the objective lens," as recited in amended independent claims 1 and 9, and Nagasato does not discuss or suggest "driving a coil system, separated from the blade, such that an interaction with a single magnet on the blade controls the moving of the blade in the tracking and/or focusing directions," as recited in amended independent claim 17, independent claims 1, 9 and 17 patentably distinguish over the reference relied upon. Accordingly, withdrawal of the § 102(b) rejection is respectfully requested.

Claims 2, 3, 5, 7, 10, 11, 13, 15 and 18-23 depend either directly or indirectly from independent claims 1, 9 and 17 and include all the features of their respective independent claims, plus additional features that are not discussed or suggested by the reference relied upon. For example, claim 2 recites that "one of the first and second coil members is a focusing coil member, with the other being a tracking coil member." Nagasato does not suggest that one of the coil assemblies 112, 114 is a focusing coil member with the other being a tracking coil member. Nagasato discusses that each of the coil assemblies 112, 114 include a focusing coil and a tracking coil. But Nagasato does not suggest that one of the coil assemblies is a focusing coil with the other being a tracking coil. Therefore, claims 2, 3, 5, 7, 10, 11, 13, 15 and 18-23 patentably distinguish over the reference relied upon for at least the reasons noted above. Accordingly, withdrawal of the § 102(b) rejection is respectfully requested.

II. Rejection under 35 U.S.C. § 103

In the Office Action, at pages 6 and 7, numbered paragraphs 2 and 3, claims 4, 6, 8, 12, 14 and 16 were rejected under 35 U.S.C. § 103(a) over Nagasato in view of U.S. Patent Pub. No. 2003/0198148 to Choi. This rejection is respectfully traversed.

As discussed above with respect to independent claims 1 and 9, from which claims 4, 6, 12 and 14 depend, Nagasato does not suggest all the features of claims 1 and 9. Choi fails to make up for the deficiency in Nagasato, specifically with regard to disclosing that a first coil member, a second coil member and a magnet member are all installed opposite to an objective

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lens. Claims 4, 6, 8, 12, 14 and 16 depend either directly or indirectly from independent claims 1 and 9 and include all the features of claims 1 and 9, plus additional features that are not discussed or suggested by the references relied upon. For example, claim 4 recites that "the pair of tilt driving coil members are installed under the one coil member used as the focusing coil member." Therefore, claims 4, 6, 8, 12, 14 and 16 patentably distinguish over the references relied upon for at least the reasons noted above. Accordingly, withdrawal of the § 103(a) rejections is respectfully requested.

Conclusion

In accordance with the foregoing, claims 1, 9 and 17 have been amended. Claims 1-23 are pending and under consideration.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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